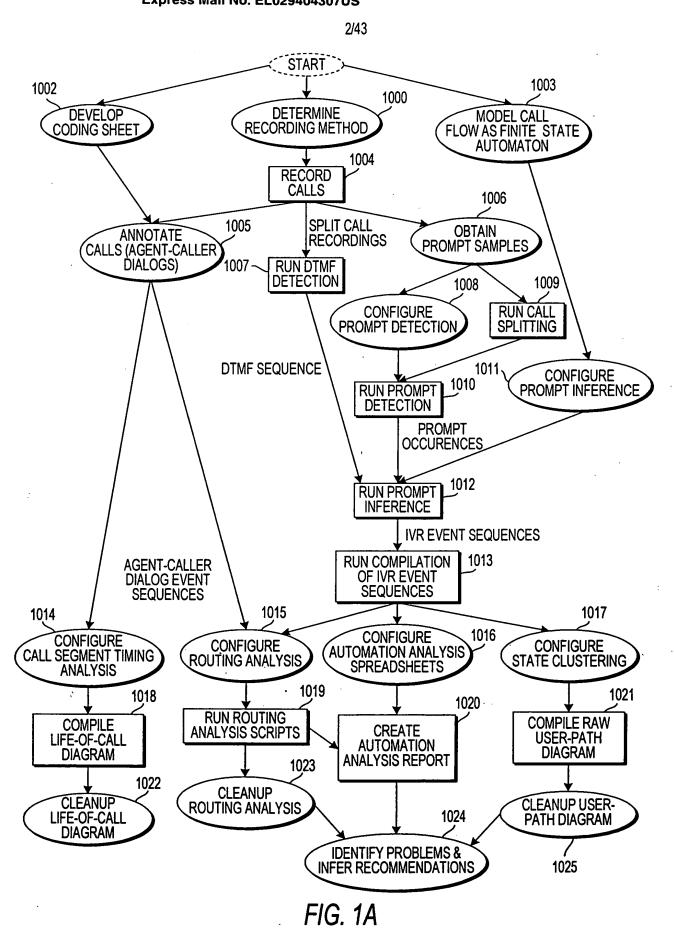
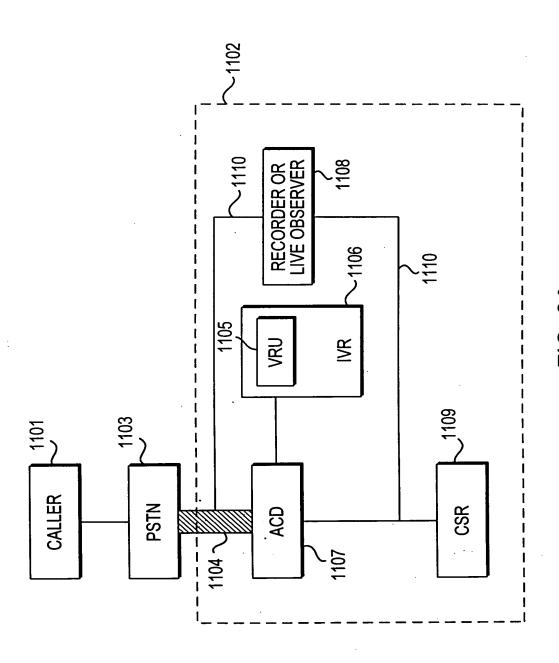


1-4007; Daniel McCarthy et al.
APPARATUS AND METHOD FOR MONITORING
PER MANCE OF AN AUTOMATED RESPONSYSTEM
Express Mail No. EL029404307US



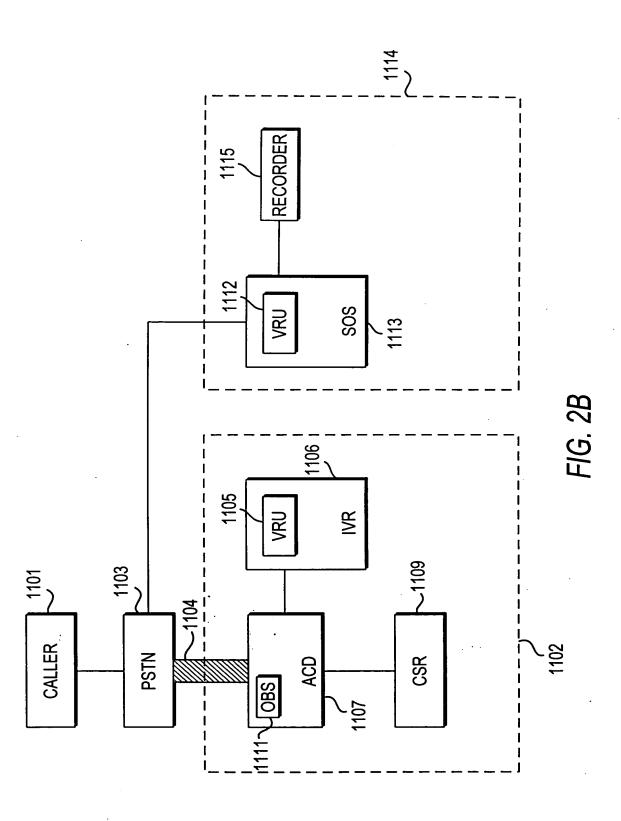
1-4007; Daniel McCarthy et al.
APPENDATUS AND METHOD FOR MONITORING
PER PRIMANCE OF AN AUTOMATED RESPONSYSTEM
Express Mail No. EL029404307US



⁻16.2A

Express Mail No. EL029404307US

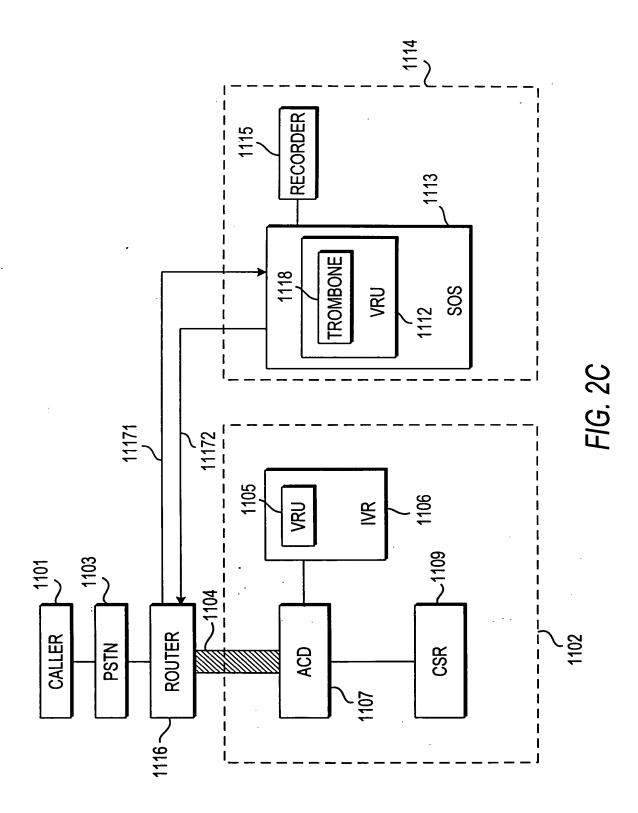
4/43



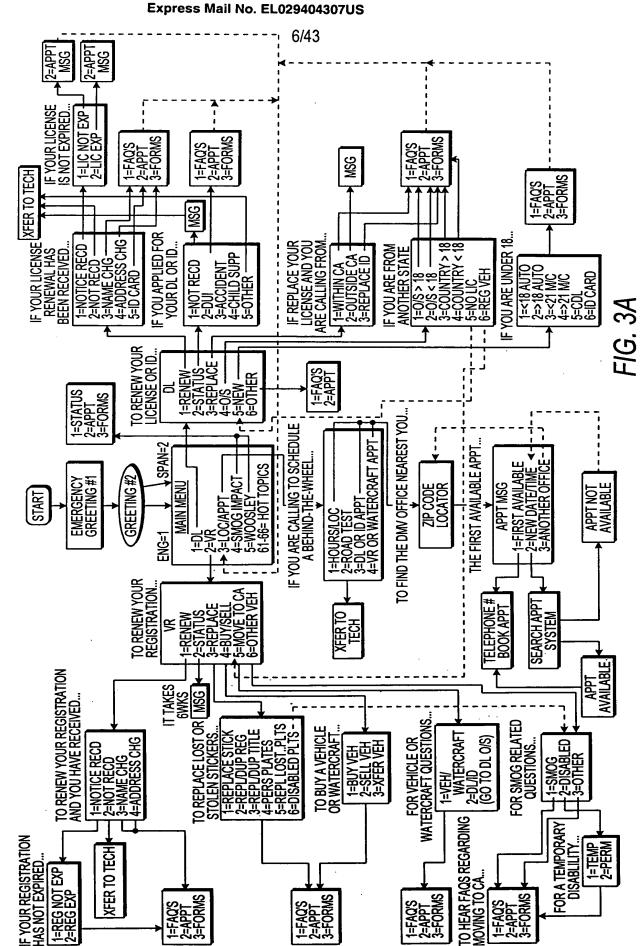
1-4007; Daniel McCarthy et al.
APP TATUS AND METHOD FOR MONITORING
PER MANCE OF AN AUTOMATED RESPON
SYSTEM

Express Mail No. EL029404307US

5/43



1-4007; Daniel McCarthy et al.
APPARATUS AND METHOD FOR MONITORING
PER PROPERTY OF AN AUTOMATED RESPONSYSTEM



1-4007; Daniel McCarthy et al.
APT ATUS AND METHOD FOR MONITORING
PEL RMANCE OF AN AUTOMATED RESPONSE
SYSTEM
Express Mail No. EL029404307US

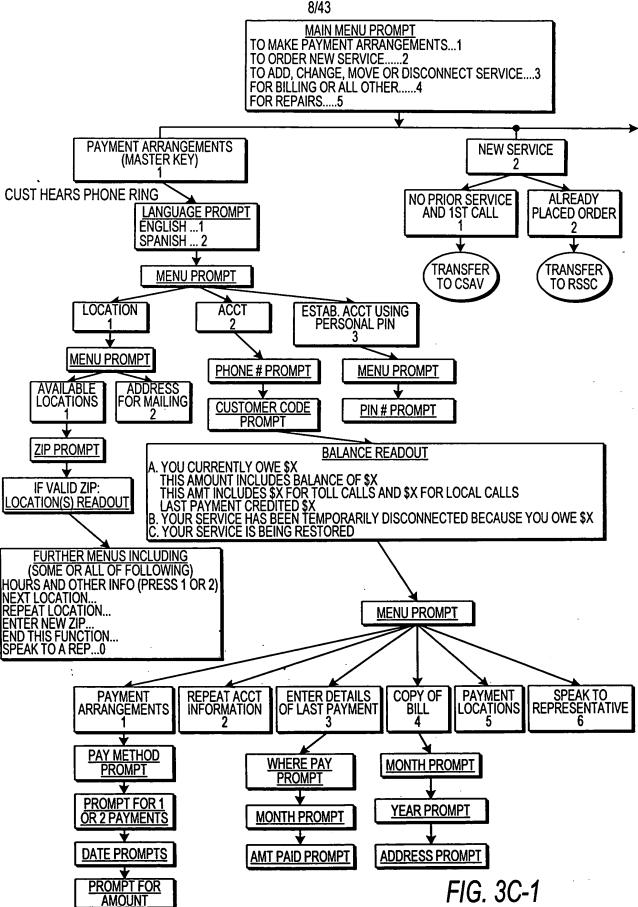
7/43

FIG. 3C-1 FIG. 3C-2

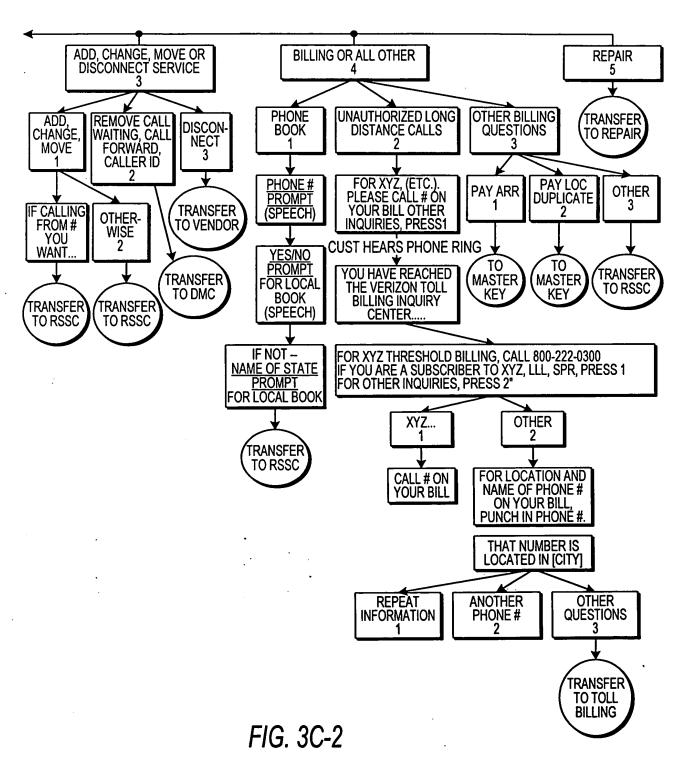
FIG. 3B

1-4007; Daniel McCarthy et al. APPARATUS AND METHOD FOR MONITORIN ORMANCE OF AN AUTOMATED RESP

Express Mail No. EL029404307US



1-4007; Daniel McCarthy et al.
APPARATUS AND METHOD FOR MONITORING
PER MANCE OF AN AUTOMATED RESPONS
SYSTEM
Express Mail No. EL029404307US



1-4007; Daniel McCarthy et al.
APP TUS AND METHOD FOR MONITORING
PER MANCE OF AN AUTOMATED RESPONS
SYSTEM
Express Mail No. EL029404307US

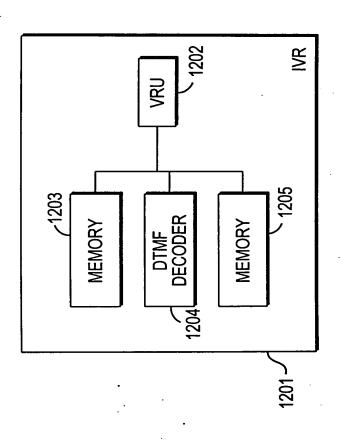


FIG. 3D

STATE	TIME	OUTCOME
CALL ARRIVAL	##:##:##	DATE; CALLER IDENTIFICATION
INITIAL MENU	##:##:##	TOUCH TONE SELECTION, E.G., 3
TELEPHONE NUMBER PROMPT	##:##:##	TOUCH TONE NUMBERS PRESSED, E.G., 617-555-1212
VALIDATE TELEPHONE NUMBER	##:##:##	INVALID NUMBER
TELEPHONE NUMBER RE-PROMPT	##:##:##	TOUCH TONE NUMBERS PRESSED
VALIDATE TELEPHONE NUMBER	##:##:##	VALID NUMBER
MENU 1	##:##:##	TOUCH TONE SELECTION
QUERY A	##:##:##	TOUCH TONE NUMBERS PRESSED
QUERY B	##:##:##	TOUCH TONE NUMBERS PRESSED
MENU 2	##:##:##	TOUCH TONE SELECTION
TRANSFER TO AGENT	##:##:##	TRANSFER QUEUE (CALLER ON HOLD)
IVR END	##:##:##	TRANSFER COMPLETED

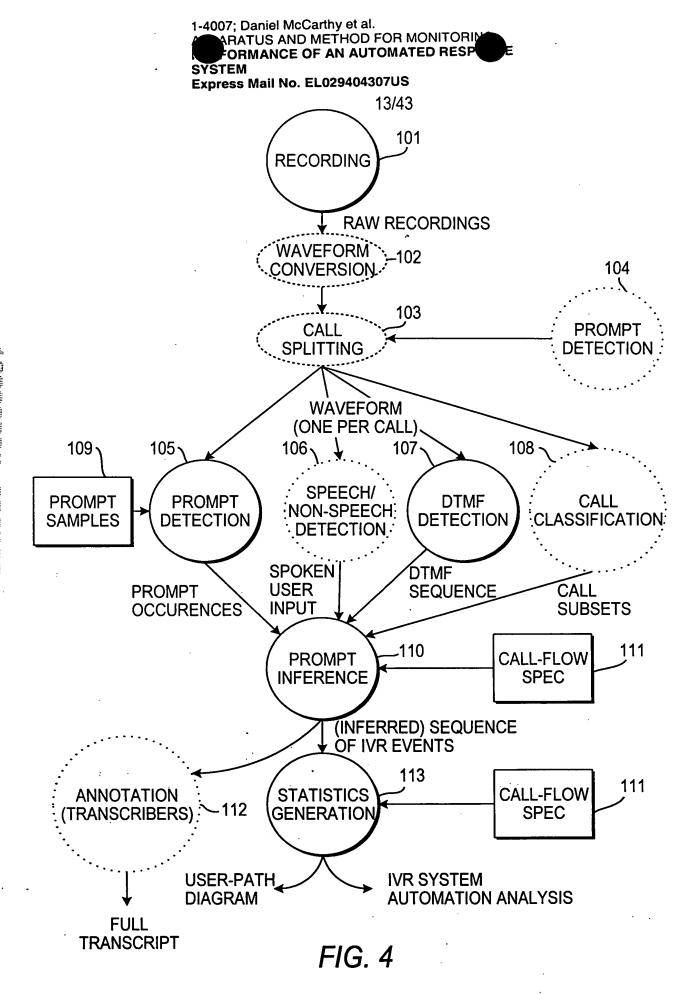
FIG. 3E

1-4007; Daniel McCarthy et al.
APPAR IS AND METHOD FOR MONITORING
PERFOUNCE OF AN AUTOMATED RESPONSE
SYSTEM
Express Mail No. EL029404307US

12/43

UNIQUE ID	TIME	STATE	OUTCOME
	##;##	CALL ARRIVAL	DATE
	##;##	INITIAL MENU	TOUCH TONE SELECTION
	##'##	ACCOUNT NO. PROMPT	TOUCH TONE NUMBERS PRESSED
	##'##	VALIDATE NUMBER	INVALID
	· ##'##	ACCOUNT NO. RE-PROMPT	ACCOUNT NO. RE-PROMPT CALL TERMINATED BY CALLER
	##'##	CALL ARRIVAL	DATE
	##'##	INITIAL MENU	TOUCH TONE SELECTION
	##'##	ACCOUNT NO. PROMPT	TOUCH TONE NUMBERS PRESSED
	##'##	VALIDATE NUMBER	VALID
	##'##	MENU 1	TOUCH TONE SELECTION
	##;##	TRANSFER TO AGENT	TRANSFER COMPLETED
	##;##	CALL ARRIVAL	DATE
		• •	• •
	##'##	ACCOUNT BALANCE	INFORMATION DELIVERED
	##'##	MENU 3	TOUCH TONE ELECTION
	##,##	TRANSFER TO AGENT	TRANSFER QUEUE (CALLER ON HOLD)
	##'##	IVR END	CALL TERMINATED BY CALLER

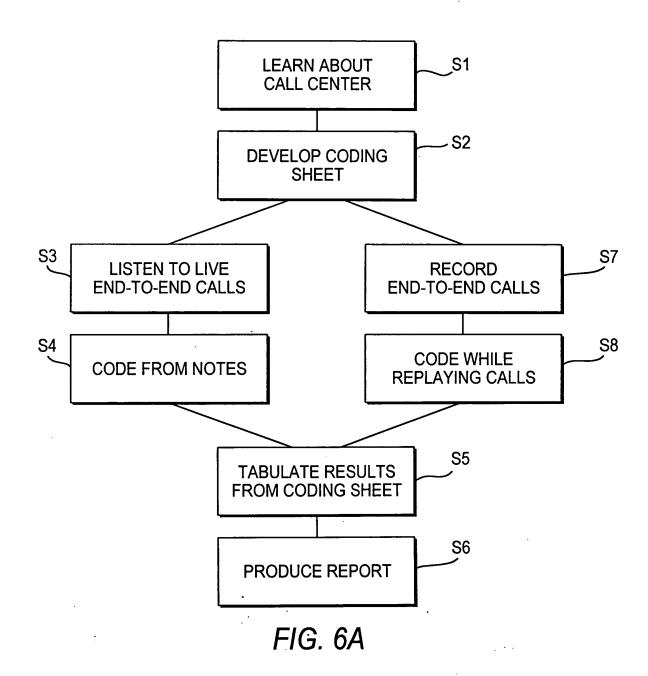
FIG. 3F



SYSTEM

Express Mail No. EL029404307US

15/43



1-4007; Daniel McCarthy et al.
AFRATUS AND METHOD FOR MONITORING
PERMANCE OF AN AUTOMATED RESPONSYSTEM
Express Mail No. EL029404307US

FIG. 6B

FIG. 6B-1
FIG. 6B-2
FIG. 6B-3
FIG. 6B-4

1-4007; Daniel McCarthy et al.
APPARATUS AND METHOD FOR MONITORING
PEPARAMANCE OF AN AUTOMATED RESPONS
SYS
Express Mail No. EL029404307US
17/43

П	П		П	Τ	П	Ç	五	Τ		П	\neg	T	T	T	T	Τ			·	\neg	T	Ť	T	Τ	T	Τ		П	П	Т	T	Т	Τ	
M-215	7181234567	M 12:01:11	m r	00			BILLING, OTH	4.3.3	0	0																			-					
M-178	2021234567	M 12:10:21	6	000		0	NEW 23	7	0	0																			-					
M-130 MJW	5161234567	F 9:46:48	4	7_		Q (4)	NEW, U																											
M-71 MJW	7321234567 5	F 14:30:57 9	i	0				╁	1	0																			0					
M-33	9181234567	14:50:41		200	0		ADDICHANGE KEPAIK	3. 1. 973-622-36	0												,								0					
M-10	234567	M 12:41 PM					LLING OTHER	3.3																										
29.25 X X	-DEC 41234567		10 4	-0			4 U IINVALIUI BI			0			- -																					
53	12/19/1996 2011234567	M 2:40 PM	12				31		0	0																								
38	6 12/17/1996 2121234567	12:03 PIV	ပ္	<u></u>	,	0	3.1 BUONE NO			0						-							-						-			_		
10	12/14/1996	1.58 PM	1		,o	0	46	HANGIID		0				-	_	#> 1.						-	_			60	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		<u>ن</u> 0					
CALL NUMBER	I KANSCRIBER DATE: DHONE #:	ルルト	TON OF INTERACTION (WHO	DURATION OF ENTIRE CALL (WHOLE MIN)	OLVE AN AGENT?	DEBUG	IVR SUMMARY: (MENU CHOICES)	WORDS: "PHONE #" "KING" FAST BUST	ARING UP ROTARI	MAS CALLINCOMPIETE (DELINCTIONS?)	S	ABANDON AT START OF IVR (RINGING OR INTRO)	1)—II	DON AT CUSTOMER ID PROMP!	ABANDON AT OTHER PROMPT	ABANDON WHILE KINGING FOR AGEN!	NOON ALL CON AGEN IS AND CONTRINED INC.	NOTE ALL PAST BOST ON STOLEN BOS	RE IN IVE DID THEY ARANDON	STERKEY	2 NEW SERVICE	ADD/CHANGE	4 BILLING/OTHER	R	F CALLER GOT TO AN AGENT, HOW!	OTART PHONE (UTONES PRESSED):	BY AUTO INTROVER BASED ON FRONE NOWINESS:	NIVE THROUGH INVALID/TIMEOUT?	N IVR THROUGH A VALID NONZERO TRANSFER?	SSING "0"	HER (DIDN'T CATCH IT)	SATE MENU CHOICES MADE IN IVR	PAY ARRANGEMENTS (MASTER KEY)	JADER NEW DERVICE IWELDOME DEN LIN

FIG. 68-

Express Mail No. EL029404307US 18/43



	li li	3/43	
		SON CHECKING ON CALLS THAT HE DOESN'T RECOGNIZE SISTER DIALING FOR INTERNET ACCESS AND SHELL HAVE TO PAY FOR THE CALLS.	
		NEW SVC ORDER ASSIGNED A NEW # AND T-> WELCOME	0
		LEASING A PHONE COSTS MONEY WORRIED THAT SHE THREWA PHONE OUT AND SOMEONE IS USING IT. SHE'S STILL GETTING A BILL FOR IT. PHONE LEASED ITHROUGH XYZ AND SO IS ITRANSFERRED TO XYZ LEASING. WO HAVING REALISED THAT PHONE IS NOT CONNECTED TO NUMBER AND SHE'S NOT GETTING BILLED FOR OTHER CALLS.	0
		CALLER THOUGHT IT WAS A VOICE-RECO SYSTEM AND WHEN PROMPTED FOR PHONE NUMBER, SPOKE IT AND DIDN'T PUTITIN, NEEDS SCHEDULED AN APPT FOR BET. 12-7 TOMORROW.	0
		RECEIVED VZ CALL NOT A VZ CUST. AND JUST WANTS TO BE WEMOVED FROM TELEMARKETING LIST BLOCK ADDED TO LINE FOR VZ TELEMRK	0
		CUSTOMER UNHAPPY WAITS TO SWITCH TO VERIZON SELECTIVE CALLING.	
		ANGRY LAND- LORD CALLING FOR TENANTS. WARM TRANSFER IN AT START: TENANT IN APT 3 MOVING TO APT 4- WAS UNABLE TO GET THROUGH ON A MONDAY AFTER 45 MINUTES.	
_		WANTS TO ADD LONG DISTANCE TO MOTHER'S PHONE AND DROP FREE 30-DAY-TRIAL FEATURES	
E - FOLLOW-UP	4-2 BILLING/UNAUTHORIZED CALLS 4-3-1 BILLING/OTHER/PAY/MASTER K 4-3-2 BILLING/OTHER/PAY/MASTER KEY 4-3-3 BILLING/OTHER/OTHER 5 REPAIR (REPAIR CENTER) 1-2 (SPANISH) (INDICATER LOCATION PAYMENT CENTER LOCATION PAYMENT CENTER HOURS PAYMENT MAILING ADDRESS ACCOUNT INFORMATION ESTABLISH ACCE USING PIN ESTABLISH ACCE USING PIN ESTABLISH ACCE USING PIN ESTABLISH ACCE USING PIN ENTER DETAILS OF LAST PAYMENT		VE BEEN DONE IN MKTB MAUTOMATED FUNCTIONS? H ONES! ER LOCATION ER HOURS NG ADDRESS NG ADDRESS OF LAST PAYMENT OF LAST PAYMENT OF LAST PAYMENT
2-2 NEW SERVICE - FOLL(3-1 ADD/ADD 3-2 ADD/REMOVE 3-3 DISCONNECT 4-1 BILLING/PHONE DIREC	4-2 BILLING/UNA 4-3-1 BILLING/OT 4-3-2 BILLING/OT 4-3-3 BILLING/OT 5-7 SPANISH 1-2 (SPANISH) 1-3 (SPANISH) 1-4 (SP	COPY OF BILL AGENT CALL SUMMARY: (PROBLEM + SOLUTION)	COULD THIS HAN INDICATE WHICH INDICATE WHICH PAYMENT CENT PAYMENT CENT PAYMENT ACCOUNT INFORMATION ARRANGES TABLISH ACCOPY OF BILL COPY OF BILL INGENT TO POTE IN AGENT TO POTE

1-4007; Daniel McCarthy et al.
APPARATUS AND METHOD FOR MONITORING
PERMANCE OF AN AUTOMATED RESPONSION
Express Mail No. EL029404307US
19/43

IINDICATE WHICH ONESI
REQUEST CALLING CARD
GET VOICE MAIL ACCESS #
GET VOICE MAIL ACCESS #
GET ALOUGHT NUMBER ON BILL
GET ADDRESS FOR WRITING TO REFUTE BILL
OTHER: (POTENTIALLY AUTOMATABLE)
III. DID AGENT DO NON-AUTOMATABLE)
III. DID AGENT ON STATUS OF PENDING ORDER
SALES (PKGS, SERVICES, LINES, JACKS, ETC)
SALES (REMOVE FEATURE- AGENT AKS WHY)
DISCONNECT (AND FORWARD CALLS) OTHER
WAS THIS CALL CODED ABOVE?
DID AGENT SEE CALL AS MISDIRECTED?
DID AGENT TRANSFER THE CALL?
IV. IF TRANSFERRED. TO WHAT DESTINATION?
800-281-8584 MASTER KEY
800-275-2355 REPAIR EXPLAIN BILL
REMOVE UNAUTHORIZED CALL FROM BILL
REMOVE OTHER CHARGES FROM BILL
CONFIRM TODAY'S REPAIR SCHEDULE
SCHEDULE A VISIT WITH REPAIRMAN
TELL HOW/WHEN TO USE FEATURES THEY OW 888-243-9733 TOLL BILLING 800-246-2800 UNLAWFUL CALL SOL CTR 800-585-6127 INSTALLATION HOTLINE 877-525-2375 DSL 800-427-9977 "BUSINESS OFFICE" 800-287-9933 COLLECTION CENTER 800-870-01000 SERVICE SOLUTIONS TELL HOW TO USE FEATURES
WELCOME CENTER
BUSINESS ACCOUNTS NEW SERVICE FOLLOWUP

1-4007; Daniel McCarthy et al.
APPARATUS AND METHOD FOR MONITORING
PORMANCE OF AN AUTOMATED RESPONSITION

Express Mail No. EL029404307US

DIFFERENT CARRIER									
SUPERVISOR									
WAS TRANSFER WARM (AGENT STAYED)?				-					
DURATION WITH SECOND AGENT?				•			7	7 58	
FURTHER TRANSFERS?							0	(
IIF YES									
TOTAL NUMBER OF AGENTS INVOLVED				2			2		
							XYZ EXPLAINED THAT LEASING IS ENDED AND THE PHONE ISNT CONNECTED TO HER BILLING NUMBER.	ZND AGENT ASSIGNS PATE PLAN, ETC.	
TOPIC SUMMARY									
PAYMENT ARRANGEMENT	0	0	0			0			0
NEW SERVICE	0	0	0						0
ORDER FOLLOW-UP	10	0	0	0	0 0	0	0	0 (0
SALES - ADD	0	1	ļ						0
SALES-REMOVE	0	0	0						0
DISCONNECT	0	0	0						0
BALANCE/COPY	0	0	0						0
OTHER	0		0						0
REPAIR	0	0	0) 0		0		0
SPANISH	0	0	0			0 0			0
REROUTE		_							
	0	-	-	1	1 0		<u> </u>		1
ROUTING SUMMARY									
1 OR 4-3-1 PAY ARRANGEMENTS (MASTER KEY)	0	0	0						0
(2-1 ORDER NEW SERVICE (WELCOME CENTER)	0	0	0	0	0	0	0	0	0
2-2 NEW SERVICE - FOLLOW-UP	0	0	0						0
3-1 ADD/ADD	10	-	1	:					0
3-2 ADD/REMOVE	0	0	0						0
3-3 DISCONNECT	10	0	0						0
4-1 BILLING/PHONE DIRECTORY	10	0	0						0
4-2 BILLING/UNAUTHORIZED CALLS	0	0	0						0
4-3-2 BALANCE/COPY/LOCATIONS/LAST PAYMENT	0	0	0						0
4-3-3-0THER	0	0	0						•
(5 REPAIR (REPAIR CENTER)	0	0	0					0 0	0
1-2 (SPANISH)	0	0	0						0
ROTARY (INITIAL TIMEOUT)	0	0	0				0		0
INVALID. TIMEOUT, OR "0" ONCE IN IVR	0	0	0						0
OTHER (UNKNOWN)	0	0	0		0		0		0
	0	-	-						7
	0	1		-					

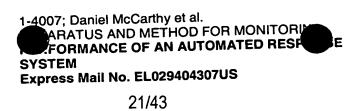


FIG. 6C

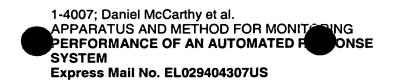
FIG. 6C-1
FIG. 6C-2
FIG. 6C-3
FIG. 6C-4

1-4007; Daniel McCarthy et al. PARATUS AND METHOD FOR MONITOR RFORMANCE OF AN AUTOMATED RESISTEN Express Mail No. EL029404307US

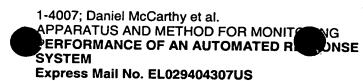
2 TRANSCRIBER 3 DATE:		22/43			
2 TRANSCRIBER 3 DATE: 3 PHONE #: 5 SEX OF CALLER: 5 SEX OF CALLER: 5 SEX OF CALLER: 6 SOLOCK TIME (END OF INTERACTION) 7 DURATION OF INTERACTION (WHOLE MIN) 7 DURATION OF ENTIRE CALL (WHOLE MIN) 8 DURATION OF ENTIRE CALL (WHOLE MIN) 9 WAS THIS A FULLY AUTOMATED CALL? 10 DID CALL INVOLVE AN AGENT? 11 CIVER SUMMARY: (MENU CHOICES) 10 O% 13 (USE WORDS: "PHONE #" "RING" "FAST BUSY" 10 O% 14 "HANG UP" "ROTARY" 16 DID CALLER TRY 0 AND FAIL? 17 WAS CALL INCOMPLETE (O FUNCTIONS?) 18 [IF 1, INDICATE WHICH ONE APPLIES] 19 ABANDON AT START OF IVR (RINGING OR INTRO) 10 ABANDON AT PHONE # PROMPT 11 CIVER ABANDON AT CUSTOMER ID PROMPT 12 ABANDON AT CUSTOMER ID PROMPT 12 ABANDON AT CUSTOMER ID PROMPT 12 ABANDON AT FAST BUSY OR SYSTEM BUG 14 ABANDON AT FAST BUSY OR SYSTEM BUG 15 ABANDON AT FAST BUSY OR SYSTEM BUG 16 DID CALLER TRY O AND FAIL? 17 ON- 18 ABANDON AT START OF IVR (RINGING OR INTRO) 19 ABANDON AT PHONE "PROMPT 20 ABANDON AT CUSTOMER ID PROMPT 21 ABANDON AT CUSTOMER ID PROMPT 22 ABANDON AT PHONE "ROMPT 23 ABANDON HILLE RINGING FOR AGENT 24 ABANDON AT FAST BUSY OR SYSTEM BUG 25 ABANDON HILLE RINGING FOR AGENT 26 UNUSUALLY HEAVY CALL VOLUMES 27 OTHER: 28 OF WESTER OR SYSTEM BUG 39 ABANDON HILLE RINGING FOR SYSTEM BUG 30 ABANDON AT SAT BUSY OR SYSTEM BUG 31 ABANDON AT SAT BUSY OR SYSTEM BUG 32 ABANDON AT SAT BUSY OR SYSTEM BUG 33 BY ROTARY PHONE (OTONES PRESSED)? 34 BILLING/OTHER 35 ON WESTER OR SAT ABANDON 36 BY AUTO TRANSFER BASED ON PHONE NUMBER? 36 ON WESTER OR SAT ABANDON 37 BY AUTO TRANSFER BASED ON PHONE NUMBER? 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 39 ON WESTER OR SAT ABANDON SAT		Α		D	E_
3 DATE:	1	CALL NUMBER	ALL CALLS STATISTICS		
3 DATE:	2	TRANSCRIBER			
PHONE #:				•	· · · · · ·
SEX OF CALLER:					
CLOCK TIME (END OF INTERACTION)			-		
Touration of Interaction (whole min)					
DURATION OF ENTIRE CALL (WHOLE MIN) 7.548098434 0%			E 122042506	00/	
WAS THIS A FULLY AUTOMATED CALL?					
10 DID CALL INVOLVE AN AGENT? 339 447 11 12 IVR SUMMARY: (MENU CHOICES) 0 0% 12 IVR SUMMARY: (MENU CHOICES) 0 0% 13 (USE WORDS: "PHONE #" "RING" "FAST BUSY" 0 0% 14 "HANG UP" "ROTARY" 0 0% 15 0 0 0 0 0 0 0 14 "HANG UP" "ROTARY" 0 0% 15 0 0 0 0 0 0 0 0 0					
11 12 IVR SUMMARY: (MENU CHOICES)					
12 IVR SUMMARY: (MENU CHOICES) 0 0% 3 (USE WORDS: "PHONE #" "RING" "FAST BUSY" 0 0% 4 "HANG UP" "ROTARY" 0 0% 5	$\overline{}$	DID CALL INVOLVE AN AGENT?	339	447	
13 (USE WORDS: "PHONE #" "RING" "FAST BUSY" 0 0% 4 "HANG UP" "ROTARY" 0 0% 5	11				
14	12	IVR SUMMARY: (MENU CHOICES)	0		
15	13	(USE WORDS: "PHONE #" "RING" "FAST BUSY"	0	0%	
16 DID CALLER TRY 0 AND FAIL? 30 7% 17 WAS CALL INCOMPLETE (O FUNCTIONS?) 94 21% 18 [IF 1, INDICATE WHICH ONE APPLIES] 0 0% 19 ABANDON AT START OF IVR (RINGING OR INTRO) 0 0% 20 ABANDON AT DEVELOPE PROMPT 2 0% 21 ABANDON AT CUSTOMER ID PROMPT 2 0% 22 ABANDON AT PROMPT 22 5% 23 ABANDON AT PROMPT 2 2 5% 24 ABANDON WHILE RINGING FOR AGENT 2 0% 24 ABANDON AT "ALL OUR AGENTS ARE CURRENTLY" 4 1% 25 ABANDON AT FAST BUSY OR SYSTEM BUG 14 3% 26 UNUSUALLY HEAVY CALL VOLUMES 17 4% 27 OTHER: 29 6% 28 WHERE IN IVR DID THEY ABANDON 2 29 IMASTERKEY 20 4% 30 2 NEW SERVICE 3 1% 31 3 ADD/CHANGE 13 3% 33 5 5 34 OTHER 2 0% 35 ABANDON AT "ALL OUR AGENT, HOW?] 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 39 STHROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 OTHER 0 0% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14% 48 3-1 ADD/ADD 70 ADD 70 ADD 70 ADD 70 ADD 49 ADD ADD 70 ADD 70 ADD 70 ADD	14	"HANG UP" "ROTARY"	0	0%	
16 DID CALLER TRY 0 AND FAIL? 30 7% 17 WAS CALL INCOMPLETE (O FUNCTIONS?) 94 21% 18 [IF 1, INDICATE WHICH ONE APPLIES] 0 0% 19 ABANDON AT START OF IVR (RINGING OR INTRO) 0 0% 20 ABANDON AT DEVELOPE PROMPT 2 0% 21 ABANDON AT CUSTOMER ID PROMPT 2 0% 22 ABANDON AT PROMPT 22 5% 23 ABANDON AT PROMPT 2 2 5% 24 ABANDON WHILE RINGING FOR AGENT 2 0% 24 ABANDON AT "ALL OUR AGENTS ARE CURRENTLY" 4 1% 25 ABANDON AT FAST BUSY OR SYSTEM BUG 14 3% 26 UNUSUALLY HEAVY CALL VOLUMES 17 4% 27 OTHER: 29 6% 28 WHERE IN IVR DID THEY ABANDON 2 29 IMASTERKEY 20 4% 30 2 NEW SERVICE 3 1% 31 3 ADD/CHANGE 13 3% 33 5 5 34 OTHER 2 0% 35 ABANDON AT "ALL OUR AGENT, HOW?] 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 39 STHROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 OTHER 0 0% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14% 48 3-1 ADD/ADD 70 ADD 70 ADD 70 ADD 70 ADD 49 ADD ADD 70 ADD 70 ADD 70 ADD	15				
WAS CALL INCOMPLETE (O FUNCTIONS?) 94 21% IF , INDICATE WHICH ONE APPLIES 0 0% BABANDON AT START OF IVR (RINGING OR INTRO) 0 0% BABANDON AT START OF IVR (RINGING OR INTRO) 0 0% BABANDON AT PHONE # PROMPT 4 1% BABANDON AT PHONE # PROMPT 2 0% BABANDON AT BROMPT 2 0% BABANDON AT SAT BUSY OR SYSTEM BUG 14 3% BABANDON AT FAST BUSY OR SYSTEM BUG 14 3% BABANDON AT FAST BUSY OR SYSTEM BUG 14 3% BABANDON AT FAST BUSY OR SYSTEM BUG 14 3% BABANDON AT FAST BUSY OR SYSTEM BUG 14 3% BABANDON AT FAST BUSY OR SYSTEM BUG 14 3% BABANDON AT BAST BUSY OR SYSTEM BUG 14 3% BABANDON AT BAST BUSY OR SYSTEM BUG 14 3% BABANDON AT BAST BUSY OR SYSTEM BUG 14 3% BABANDON AT BAST BUSY OR SYSTEM BUG 14 3% BABANDON AT BAST BUSY OR SYSTEM BUG 14 3% BABANDON AT BAST BUSY OR SYSTEM BUG 14 3% BABANDON AT BAST BUSY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OF ALLEY OR SYSTEM BUSY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OF ALLEY OR SYSTEM BUSY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUSY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUSY OR SYSTEM BUSY OR SYSTEM BUSY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 3% BAST BUSY OF ALLEY OR SYSTEM BUG 14 4% BAST BUSY OF ALLEY OR SYSTEM BUG 14 4% BAST BUSY OF ALLEY OR SYSTEM BUG 14 4		DID CALLER TRY 0 AND FAIL?	30	7%	
18					
ABANDON AT START OF IVR (RINGING OR INTRO) 0 0%					•
20 ABANDON AT PHONE # PROMPT 2 1%					
ABANDON AT CUSTOMER ID PROMPT 2					
22 ABANDON AT PROMPT 22 5%					
23 ABANDON WHILE RINGING FOR AGENT 2 0% 24 ABANDON AT "ALL OUR AGENTS ARE CURRENTLY" 4 1% 25 ABANDON AT FAST BUSY OR SYSTEM BUG 14 3% 26 UNUSUALLY HEAVY CALL VOLUMES 17 4% 27 OTHER: 29 6% 28 WHERE IN IVR DID THEY ABANDON 29 1 MASTERKEY 20 4% 30 2 NEW SERVICE 3 1% 31 3 ADD/CHANGE 13 3% 32 4 BILLING/OTHER 12 3% 33 5 REPAIR 2 0% 34 OTHER 38 AWANDON 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 22 8 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 37 8% 48 3-1 ADD/ADD 64 14%					
24 ABANDON AT "ALL OUR AGENTS ARE CURRENTLY" 4 1% 25 ABANDON AT FAST BUSY OR SYSTEM BUG 14 3% 26 UNUSUALLY HEAVY CALL VOLUMES 17 4% 27 OTHER: 29 6% 28 WHERE IN IVR DID THEY ABANDON 29 1 MASTERKEY 20 4% 30 2 NEW SERVICE 3 1% 31 3 ADD/CHANGE 13 3% 32 4 BILLING/OTHER 12 3% 33 5 REPAIR 2 0% 34 OTHER 18 4% 35 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 12 3% 45 1 - PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14%					
25 ABANDON AT FAST BUSY OR SYSTEM BUG					
26 UNUSUALLY HEAVY CALL VOLUMES 17 4% 27 OTHER: 29 6% 28 WHERE IN IVR DID THEY ABANDON 29 1 MASTERKEY 20 4% 30 2 NEW SERVICE 3 1% 31 3 ADD/CHANGE 112 3% 32 4 BILLING/OTHER 12 3% 33 5 REPAIR 2 0% 34 OTHER 18 4% 35 36 IF CALLER GOT TO AN AGENT, HOW? 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1 - PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 64 14% 48 3-1 ADD/ADD 64 14%					
27 OTHER: 29 6% 28 WHERE IN IVR DID THEY ABANDON 29 1 MASTERKEY 20 4% 30 2 NEW SERVICE 3 1% 3 ADD/CHANGE 13 3% 33 5 REPAIR 12 3% 33 5 REPAIR 2 0% 34 OTHER 18 4% 35 35 36 [IF CALLER GOT TO AN AGENT, HOW?] 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 28 6% 40 IN IVR THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW - UP 37 8% 48 3-1 ADD/ADD 64 14% 10% 14% 10% 14% 10% 14% 10%					
WHERE IN IVR DID THEY ABANDON 20 4% 30 2 NEW SERVICE 3 1% 31 3 ADD/CHANGE 13 3% 38 4 BILLING/OTHER 12 3% 33 5 REPAIR 2 0% 34 OTHER 18 4% 35 36 [IF CALLER GOT TO AN AGENT, HOW?] 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14% 14 14 14 14 14 14					
20 4% 30 2 NEW SERVICE 3 1% 3 3 3 3 3 3 3 4 3 3			29	6%	
30 2 NEW SERVICE 3 1 % 3 3 % 3 3 3 3 3 3 3	28	WHERE IN IVR DID THEY ABANDON			
33 3 ADD/CHANGE 13 3% 38 32 4 BILLING/OTHER 12 3% 33 5 REPAIR 2 0% 34 OTHER 18 4% 35 36 [IF CALLER GOT TO AN AGENT, HOW?] 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14% 10 10 10 10 10 10 10 1	29	1 MASTERKEY			
31 3 ADD/CHANGE 13 3% 3% 32 4 BILLING/OTHER 12 3% 3% 33 5 REPAIR 2 0% 34 OTHER 18 4% 35 36 IIF CALLER GOT TO AN AGENT, HOW? 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14% 10 10 10 10 10 10 10 1	30	2 NEW SERVICE			
32 4 BILLING/OTHER			13		
33 5 REPAIR 18 4% 34 35 35 36 [IF CALLER GOT TO AN AGENT, HOW?] 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14% 1	_		12		
34 OTHER 18 4% 35 36 [IF CALLER GOT TO AN AGENT, HOW?] 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14%			2	0%	
35 36			18	4%	
36 IF CALLER GOT TO AN AGENT, HOW? 0 0% 37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW - UP 37 8% 48 3-1 ADD/ADD 64 14% 49 100 100 49 100 100 40 100 40 100 41 100 42 100 44 100 45 100 46 100 47 100 48 3-1 ADD/ADD 64 14% 49 100 40 100 41 100 42 100 44 100 45 100 46 100 47 100 48 100 49 100 40 100 40 100 41 100 41 100 42 100 43 100 44 100 45 100 46 100 47 100 48 100 49 100 40 100 40 100 40 100 41 100 41 100 42 100 43 100 44 100 45 100 46 100 47 100 48 100 49 100 40 100 40 100 40 100 41 100 41 100 41 100 42 100 43 100 44 100 45 100 46 100 47 100 48 100 49 100 40 100 40 100 40 100 40 100 40 100 40 100 40 100 40 100 40 100 40 100 40 100 41 100 42 100 43 100 44 100 45 100 46 100 47 100 48 100 49 100 40 100	35	V 111bit 1			
37 BY ROTARY PHONE (0 TONES PRESSED)? 62 14% 38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0% 39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW - UP 37 8% 48 3-1 ADD/ADD 64 14% 64 14		IJE CALLER GOT TO AN AGENT HOW?	0	0%	
38 BY AUTO TRANSFER BASED ON PHONE NUMBER? 0 0%	쁡	BY DOTABY DHONE (0 TONES DRESSEN)?			
39 THROUGH INTRODUCTION BY PREVIOUS AGENT? 0 0% 40 IN IVR THROUGH IVALID/TIMEOUT? 28 6% 6% 41 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51% 42 BY PRESSING "0" 19 4% 43 OTHER (DIDN'T CATCH IT) 2 0% 44 INDICATE MENU CHOICES MADE IN IVR 0 0% 45 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW - UP 37 8% 48 3-1 ADD/ADD 64 14% 48 3-1 ADD/ADD 64 14% 48 3-1 ADD/ADD	3/	DY ALITO TOANGEED BACED ON DUONE NI IMPED?			
10 IN IVR THROUGH IVALID/TIMEOUT? 28 6%	20	TUDOLICH INTRODUCTION BY PREVIOUS ACENTS			
1 IN IVR, THROUGH A VALID NONZERO TRANSFER? 228 51%	39	THROUGH INTRODUCTION BY PREVIOUS AGENT?			
19 4% 19 4% 19 48 19 48 19 48 19 49 19 49 19 49 19 49 19 49 19 1	40	IN IVR THROUGH IVALID/TIMEOUT?			
43 OTHER (DIDN'T CATCH IT) 2 0%					
44 INDICATE MENU CHOICES MADE IN IVR 0 0%					
12 3% 1. PAY ARRANGMENTS (MASTER KEY) 12 3% 1. PAY ARRANGMENTS (MASTER KEY) 28 6% 1. PAY ARRANGMENTS (WELCOME CENTER) 28 6% 1. PAY ARRANGMENTS (MASTER KEY) 1. P	43	OTHER (DIDN'T CATCH IT)			
46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 49 14%	44	INDICATE MENU CHOICES MADE IN IVR			
46 2-1 ORDER NEW SERVICE (WELCOME CENTER) 28 6% 47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14%	45	1. PAY ARRANGMENTS (MASTER KEY)			
47 2-2 NEW SERVICE - FOLLOW -UP 37 8% 48 3-1 ADD/ADD 64 14%	46	2-1 ORDER NEW SERVICE (WELCOME CENTER)			
48 3-1 ADD/ADD 64 14%	47	2-2 NEW SERVICE - FOLLOW -UP	37		
			64		
AGI 3-7 ALIJURE IVE IVE		3-2 ADD/REMOVE	12	3%	



	20/40			
	Α	С	D	E
50	3-3 DISCONNECT	11	2%	
51	4-1 BILLING/PHONE DIRECTORY	1	0%	
52	4-2 BILLING/ UNAUTHOURIZED CALLS	11	2%	
	4-3-1 BILLING/OTHER/PAY/MASTER K	3		-
	4-3-2 BILLING/OTHER/MASTER KEY	11	2%	·
	4-3-3 BILLING/OTHER/OTHER	71	16%	
	5 REPAIR (REPAIR CENTER)	14	3%	
	1-2 (SPANISH)	1	0%	-
	[INDICATE FUNCTIONS COMPLETED IN IVR]	0	0%	
	PAYMENT CENTER LOCATION	3	1%	
		0		
	PAYMENT CENTER HOURS		0%	
	PAYMENT MAILING ADDRESS	2	0%	
	ACCOUNT INFORMATION	14	3%	
	ESTABLISH ACCT USING PIN	0	0%	
	PAYMENT ARRANGEMENTS	1	0%	
_	ENTER DETAILS OF LAST PAYMENT	0	0%	
	COPY OF BILL	0	0%	
	ORDER PHONE DIRECTORY	0	0%	
	IDENTIFY UNAUTH CALL	4	1%	
69	GET 800 # TO IDENTIFY UNAUTH CALLS-ETC.	3	1%	
70				
71	AGENT CALL SUMMARY: (PROBLEM + SOLUTION)		i	
72 73				
$\overline{}$	COULD THIC HAVE DEEN DONE IN MIZED	24	5%	
74	COULD THIS HAVE BEEN DONE IN MK/TB		370	
75	L DID A OFNIT DEDECOM ALITOMATED FUNCTIONS	25	6%	
<u> </u>	I. DID AGENT PERFORM AUTOMATED FUNCTIONS?		076	
<u>//</u>	[INDICATE WHICH ONES]		00/	
	PAYMENT CENTER LOCATION	0	0%	
	PAYMENT CENTER HOURS	0	0%	
	PAYMENT MAILING ADDRESS	0	0%	
	ACCOUNT INFORMATION	9	2%	
_	ESTABLISH ACCT USING PIN	0		
	PAYMENT ARRANGEMENTS	5		
	ENTER DETAILS OF LAST PAYMENT	0		
85	COPY OF BILL	5		
86	ORDER PHONE DIRECTORY	1	0%	
87	IDENTIFY ABC UNAUTH CALL	5		
88	IDENTIFY XYZ ETC. UNAUTH CALL	0	0%	
89				
	II. DID AGENT DO POTENTIALLY AUTO FUNCTIONS?	16	4%	_
	[INDICATE WHICH ONES]			
	FIND TOLL CALL RANGE	8	0%	
	REQUEST CALLING CARD			
	GET VOICE MAIL ACCESS #	3	0%	
	GET 3+2 DIGIT NUMBER ON BILL	3	0%	
20	GET INFO ON RATES-BY MAIL OR SEE DIRECT	0		
20	GET ADDRESS FOR WRITING TO REFUTE BILL	0		
<u>9/</u>	DET ADDRESS FOR WRITING TO REPUTE BILL	<u> </u>	<u> </u>	L



	24/43			
	A	С	D	E
98	OTHER: (POTENTIALLY AUTOMATABLE)	3	0%	
99				
100	III. DID AGENT DO NON-AUTOMATED FUNCTIONS?	220	49%	- 100
	[INDICATE WHICH ONES]			
102	PAYMENT ARRANGEMENTS	5	1%	
	NEW SERVICE- EXPLAINS 2 PARTS NEEDED	21	5%	_
	NEW SERVICE FOLLOW UP (NOT DISCONNECT)	10	2%	
	CHECK ON STATUS OF PENDING ORDER	6	0%	
	SALES (PKGS, SERVICES, LINES, JACKS, ETC)	65	15%	
	SALES (REMOVE FEATURE- AGENT ASKS WHY)	16	4%	
	DISCONNECT (AND FORWARD CALLS)	9	2%	
	EXPLAIN BILL	25	6%	
	REMOVE UNAUTHORIZED CALL FROM BILL	4	1%	
	REMOVE OTHER CHARGES FROM BILL	2	0%	
	CONFIRM TODAY'S REPAIR SCHEDULE	3	1%	
	SCHEDULE A VISIT WIHT REPAIRMAN	8	2%	
	TELL HOW/WHEN TO USE FEATURES THEY OWN	12	3%	
		34	3% 8%	
	OTHER			
	WAS THIS CALL CODED ABOVE?	675	579	
	DID AGENT SEE CALL AS MISDIRECTED?	81	18%	
	DID AGENT TRANSFER THE CALL?	82	18%	
	IV. IF TRANSFERRED, TO WHAT DESTINATION?	0	0%	
	800-281-8584 MASTER KEY	0	0%	
	800-275-2355 REPAIR	12	3%	
	800-287-9933 COLLECTION CENTER	10	2%	
	800-870-0000 SERVICE SOLUTIONS	0	0%	
	TPV	1	0%	
	888-243-9733 TOLL BILLING	9	2%	
	800-246-2800 UNLAWFUL CALL SOL CTR	0	0%	
	800-585-6127 INSTALLATION HOTLINE	11	2%	
	877-525-2375 DSL	2	0%	
129	800-427-9977 "BUSINESS OFFICE"	1	0%	
130	DMC	1 1	0%	
131	NEW SERVICE FOLLOWUP	· 1	0%	
	DISCONNECT	1	0%	
	TELL HOW TO USE FEATURES	1	0%	
	WELCOME CENTER	10	2%	
	BUS!NESS ACCOUNTS .	2	0%	
	ISP CALL/VERIZON ONLINE	2	0%	
	WIRELESS	3	1%	
	DIFFERENT CARRIER	2	. 0%	
	SUPERVISOR	0	0%	
	OTHER	3	1%	
	TRANSER TO SPANISH AGENT	6	1%	
	WAS TRANSER WARM (AGENT STAYED)?	34	8%	
	DURATION WITH SECOND AGENT?	663	0.292715232	
	FURTHER TRANSFERS?	14	3%	
		17		-
	[IF YES]	205	9%	
1146	TOTAL NUMBER OF AGENTS INVOLVED		370	



	Α	С	D	E
147				
	EXPLAIN:		!	
149	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	TOPIC SUMMARY			
	PAYMENT ARRANGEMENT	10		
	NEW SERVICE	21		
	ORDER FOLLOW-UP	16	. <u>.</u> .	
	SALES-ADD	65		
155	SALES-REMOVE	16		
	DISCONNECT	9		
	PHONE DIRECTORY	1		
	IUNAUTHORIZED CALLS	9		
	BALANCE/COPY	14		
	OTHER	89	•	
	REPAIR	11		
162	SPANISH	6		
163	REROUTE			
164		267		
165				
166				
167				
168				
169			-	
170	·			
171				
172				
173				
	ROUTING SUMMARY			
175	1 OR 4-3-1 PAY ARRANGMENTS (MASTER KEY)			
	2-1 ORDER NEW SERVICE (WELCOME CENTER)			<u> </u>
	2-2 NEW SERVICE-FOLLOW-UP			
	3-1 ADD/ADD			
	3-2 ADD/REMOVE			
	3-3 DISCONNECT			
181	4-1 BILLING/PHONE DIRECTORY			
182	4-2 BILLING/UNAUTHORIZED CALLS			
183	4-3-2 BALANCE/COPY/LOCATIONS/LAST PAYMENT			
184	4-3-3 OTHER			
	5 REPAIR (REPAIR CENTER)	ļ		
186	1-2 (SPANISH)	<u> </u>		ļ
187	ROTARY (INITIAL TIMEOUT)		•	
188	INVALID, TIMEOUT, OR "0" ONCE IN IVR			ļ
189	OTHER (UNKNOWN)			<u> </u>

Express Mail No. EL029404307US

DATA 20/43	CONCLUSION
1. CUSTOMER ROUTES SELF IN IVR TO WRONG AGENT 2. AGENT TRANSFERS CUSTOMER IN RESPONSE TO CUSTOMER NEED.	MISROUTING (2 OR MORE AGENTS INVOLVED INSTEAD OF 1)
1. CUSTOMER ROUTES SELF IN IVR TO WRONG AGENT	MISROUTING (WRONG AGENT INVOLVED)
2. AGENT PERFORMS FUNCTION ANYWAY.	
1. AGENT PERFORMS FUNCTION. 2. FUNCTION IS AVAILABLE IN IVR.	UNDERUTILIZATION OF IVR FUNCTIONALITY.
1. AGENT PERFORMS FUNCTION 2. FUNCTION NOT CURRENTLY AVAILABLE IN IVR. 3. FUNCTION COULD POTENTIALLY BE ADDED	IVR MISSING CRUCIAL FUNCTIONALITY
1. CUSTOMERS OPTING OUT OF IVR AT FEW POPULAR POINTS. 2. IVR DOES NOT PROMPT FOR ID AT THE POINT.	MISSED OPPORTUNITY FOR AUTOMATED CUSTOMER DATA INPUT
1. AGENT STAYS ON THE LINE DURING TRANSER 2. POLICY DOES NOT ADVOCATE A "WARM TRANSFER"	POSSIBLE POLICY VIOLATION (REGARDING WARM TRANSFERS)
1. AGENT STAYS ON THE LINE DURING TRANSFER 2. TIME ON HOLD WITH CUSTOMER SUGGESTS AGENT NOT USING SPECIAL QUEUE FOR TRANSFER	POSSIBLE POLICY VIOLATION (REGARDING USE OF FAST QUEUE FOR AGENT TRANSFERS)
1. # CUSTOMERS REMAINING SILENT IN IVR 2. PERCENTAGE OF ROTARY USERS KNOWN 3. IF 1 SUBSTANTIALLY EXCEEDS 2	CUSTOMERS REFUSING TO PLAY THE GAME
1. # COSTUMERS COOPERATING IN IVR 2. # CUSTOMERS GETTING READOUT BEFORE ABANDONING IF 1 SUBSTANTIALLY EXCEEDS 2	CUSTOMERS RECEIVING NO BENEFIT FROM IVR THOUGH WILLING TO TRY
1. # CALLS 2. # CALLERS COMPLETING AT LEAST 1 FUNCTIONS IN IVR (INCLUDING GETTING READOUT) AND NOT GOING TO AGENT IF 1 SUBSTANTIALLY EXCEEDS 2	LOW "COMPLETE-SELF-SERVE" RATE

1-4007; Daniel McCarthy et al.
APPARATUS AND METHOD FOR MONITORING
PER RMANCE OF AN AUTOMATED RESPON
SYSTEM
Express Mail No. EL029404307US

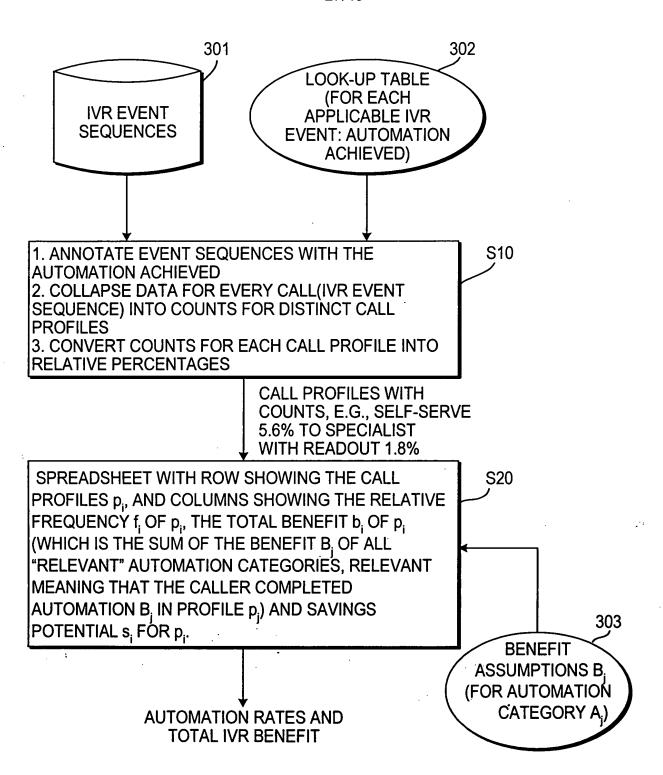


FIG. 7

1-4007; Daniel McCarthy et al.
APT ATUS AND METHOD FOR MONITORING
PETER RMANCE OF AN AUTOMATED RESPON
SYSTEM
Express Mail No. EL029404307US

28/43

CALL PROFILE (P _i)	TRAFFIC (fį)	(f)	AUTOMATION (Bji)	N (Bji)		BENEFIT (A(BENEFIT (AGENT SECS)
	CALLS	% CALLS	ACCOUNT #	ROUTING	ALLS % CALLS ACCOUNT # ROUTING INFO DELIVERY	ONE CALL	AVERAGE
FULLY-AUTOMATED CALLS	72	2.0%	ď	~	_	105	2.1
TRANSFERS TO SPECIALIST AFTER INFORMATION READOUT	_	%0:0	А	Я	1	105	0.0
TRANSFERS TO FLOOR AFTER INFO READOUT	. 38	1.0%	A		-	55	9.0
TRANSFERS TO SPECIALIST W/ ID	849	23.4%		· &		40	9.3
TRANSFERS TO FLOOR W/ ID	1008	27.7%	А			15	4.2
TRANSFERS TO FLOOR W/O ID	591	16.3%					
MISROUTED TO SPECIALIST W/ ID	389	10.7%	V	æ		-25	-2.7
MISROUTED TO SPECIALIST W/O ID	9	0.2%		ά		-40	-0.1
ABANDONS	681	18.7%					
TOTAL	3636	100.0%	41.5%	14.5%	3.1%		13.4

FIG. 8

1-4007; Daniel McCarthy et al.

RPARATUS AND METHOD FOR MONITORING
RFORMANCE OF AN AUTOMATED RESISTEN

Express Mail No. EL029404307US

29/43

40	40	15	ASSUMED BENEFIT [AGENT SECS]
ROUTING ("R")	INFORMATION DELIVERY ("I")	CALLER IDENTIFICATION ("A")	AUTOMATION CATEGORY

FIG. 9

1-4007; Daniel McCarthy et al. APPARATUS AND METHOD FOR MONITORING ERFORMANCE OF AN AUTOMATED RESYSTEM

Express	Mail	No.	EL029404307US	

AUTOMATABLE TRANSACTIONS	#OCCURRENCES	TIME SPENT	FREQUENCY	SAVINGS	AUTOMATION CATEGORY
ACCOUNT_BALANCE	88	27.31		5.9	<u> </u>
NEW_PAYMENT_ARRANGEMENT	99	20.94		2.9	-
CURRENT_PAYMENT_ARRANGEMENT	6	22.08		0.5	_
ZIP_CODE	2	9.48		0.0	۷
PAYMENT_LOCATION	18	21.3		6.0	_
BALANCED_PAYMENT_PLAN_AMOUNT	9	21.8		0.3	
RULES_12_AND_22	11	13.5		0.4	_3
NEW_APPOINTMENT_DATE_TIME	84	14.51	20.5%	3.0	0/4: ∢
IS_GAS_APPLIANCE	3	24.75		0.2	
IS_NOT_GAS_APPLIANCE	3	9.22		0.1	۷
NEW_APPOINTMENT_CONFIRMATION_TELEP	82	18.26		3.7	A
NEW_APPOINTMENT_LOCATION	99	15.19		2.5	∢
NEW_APPOINTMENT_DOG	22	11.72		1.6	A
NEW_APPOINTMENT_MULTI_OR_SINGLE		0		0.0	۷
NEW_APPOINTMENT_ADULT_PRESENT	5	5.29		0.1	V
APPOINTMENT_DETAILS_CONFIRMATION	13	36.14		1.	F
TOTAL NUMBER OF ANNOTATED CALLS	409			23.1	

WEIGHTED OPPORTUNITY: 16.6

%HANDLED BY AGENT 72%

1-4007; Daniel McCarthy et al.
APARATUS AND METHOD FOR MONITORING
PERMANCE OF AN AUTOMATED RESPO

31/43

C	1	2
Ĺ	1	Ì
7	7	7
5	ä	=
•	-	,
Ç	_)
L	1	ı
ŀ	-	_
4	d	C
C		Š
_	_	_
4	4	Ξ
Ç		2
Ē	_	=
ė	1	٢
-	ì	2
3		Ė
C	_)
H	-	-
Ξ)
<	1	C
	-	•

CUSTOMER CONTACT TYPE	% CALLS	CUSTOMER ID	ROUTING	INFO DELIVERY	TRANSACTION
CUSTOMER SERVICE	8.7%	×			
BALANCE BILLING	36.7%	×	×	×	
PAYMENT ARRANGEMENTS	13.0%	×	×	×	×
PAYMENT OPTIONS	4.0%	×	×	×	
TURN ON	3.0%				
RATES	1.3%		×	×	
STOP SERVICE	3.5%	×			
SERVICE	11.5%	×			
APPOINTMENT	16.5%	×	×	×	×
EMERGENCY	1.8%	×			
TOTAL/UPPER BOUNDS	100.0%	95.7%	71.5%	71.5%	29.5%

HOW TO TRANSFORM UPPER BOUNDS ON AUTOMATION TO AGENT TIME SAVING OPPORTUNITIES: **\$** 11.8 **왕** 28.6 3.575 $95.7\% \times 15 = 14.355$ 5 14.355 58.33 BENEFIT ASSUMPTION [AGENT SECS PER CALL] BENEFIT [AGENT SECS] TOTAL OPPORTUNITY

FIG. 1

1-4007; Daniel McCarthy et al.
APPAR AND METHOD FOR MONITORING
PERFORMANCE OF AN AUTOMATED RESPONSE
SYSTEM
Express Mail No. EL029404307US

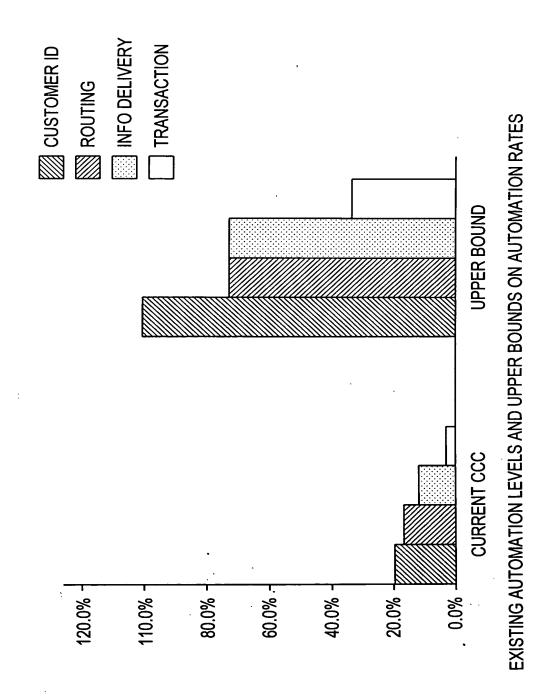
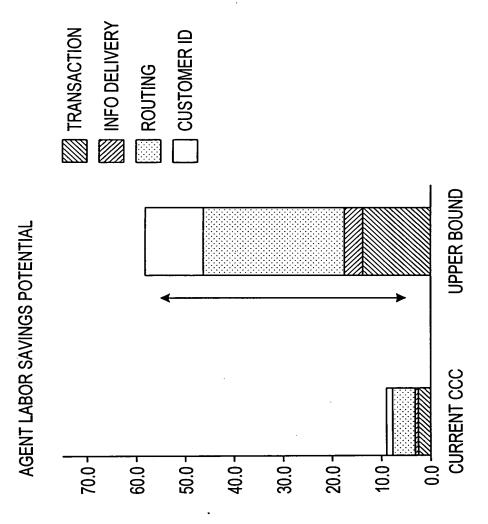


FIG. 12

1-4007; Daniel McCarthy et al.
APPARATE AND METHOD FOR MONITORING
PERFORE CE OF AN AUTOMATED RESPONSE
SYSTEM
Express Mail No. EL029404307US



-1G. 13

APPAR IS AND METHOD FOR MONITORING PERFO NCE OF AN AUTOMATED RESPONSE SYSTEM Express Mail No. EL029404307US 34/43 START 4319 (100.0, 100.0) DIAGRAM 234 (*5.4*, 5.4) ABANDON "STATE"CORRESPONDS **GREETING** TO ONE OR MORE IVR 311(7.6, 7.2) TO_FLOOR_NEW 4085 INTERACTIONS WITH ACCOUNT (94.6,94.6) CALLER (PROMPT, 186(4.6, 4.3) TO_FLOOR RESPONSE, AND 46(1.1, 1.1) ABANDON OPENING_MENU RESULTING ACTION) THIS ID ENTRY STATE 3542 INCLUDES TIMEOUT AND (86.7,82.0)ERROR RETIRES. 366(*10.3*, 8.5) ABANDON ID_ENTRY BREAKDOWN OF IVR 415 EXIT CONDITIONS (11.7, 9.6)TRANSFERS AND HANGUPS) ALT ID ENTRY 274 (66.0, 6.3) TO_FLOOR 2761(*78.0*,63.9) 82 (19.8. 1.9) ABANDON CALLS FOLLOWING THIS PATH 59(14.2,1.4) AS A PERCENTAGE OF CALLS LEAVING THE STATE 1045(36.*4*, 24.2) AS A PERCENTAGE OF SPECIALIST_TYPE_1 TOTAL CALLS 105(3.7, 2.4) SPECIALIST_TYPE_2 77(2.7,1.8) SPECIALIST_TYPE_3 3(0.1,0.1)SELF_SERVE 4(0.1,0.1)TO_FLOOR_AFTER_ FIG. 14 READOUT 31(*1.1*,0.7) TO_FLOOR 74(2.6, 1.7) ABANDON MAIN MENU 966(33.6,22.3) 566(19.7,13.1) 31(*3.2*,0.8)*>* LOOPBACKS OTHER_OPTIONS SUB_MENU 11(1.9,0.3) **IVR IVR** LOOPBACKS **EXITS EXITS** CONTINUATIONS CONTINUATIONS

1-4007; Daniel McCarthy et al.

1-4007; Daniel McCarthy et al.
APPACETUS AND METHOD FOR MONITORING
PERFUSIANCE OF AN AUTOMATED RESPONSI
SYSTEM
Express Mail No. EL029404307US

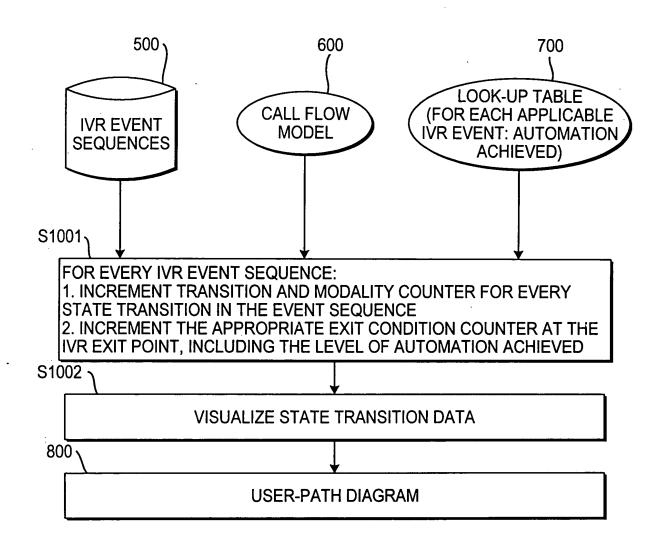
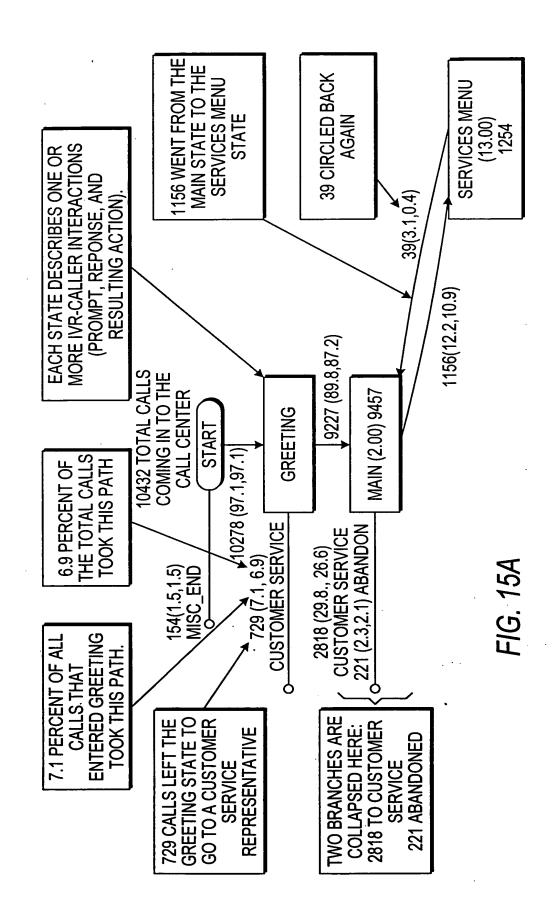


FIG. 15

1-4007; Daniel McCarthy et al.
APPARATUS AND METHOD FOR MONITORING
PEI MANCE OF AN AUTOMATED RESPONS
SYSTEM
Express Mail No. EL029404307US



1-4007; Daniel McCarthy et al.
APPLIATUS AND METHOD FOR MONITORING
PENDERMANCE OF AN AUTOMATED RESPONS
SYSTEM
Express Mail No. EL029404307US

37/43

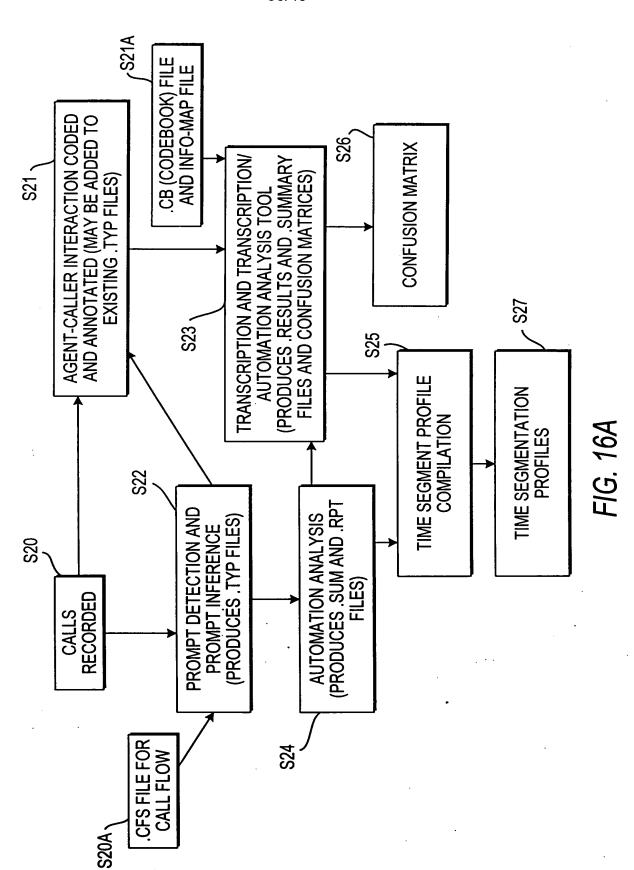
_
2
Ĕ
×
띮
Z
둗
뜅
¥
=
8
(FR
E (FR
(FR
E (FR
CALL TYPE (FR
E (FR
CALL TYPE (FR

DIAGONAL = CORRECTLY ROUTED
OTHERS = MISROUTED

1-4007; Daniel McCarthy et al.
APPAR AND METHOD FOR MONITORING
PERFO ANCE OF AN AUTOMATED RESPONSE

PERFO SYSTEM

Express Mail No. EL029404307US



1-4007; Daniel McCarthy et al.
APPASATUS AND METHOD FOR MONITORING
PETERMANCE OF AN AUTOMATED RESPON
SYSTEM
Express Mail No. EL029404307US

39/43

_			_	_	_	_	_		_				_	_					1/43	<u> </u>			_					_			_		_		_	
H	FIRST TOPIC	STRT	PAY-CHG	PAY-MAK	PAY-MAK	ECI	RSTR	ОТН	PAY-MAK	PAY-REV	PAY-MAK	CHNG	PAY-MAK	CHNG	PAY-MAK	PAY-MAK	PAY-MAK	ECI	STRT	BAL	PAY-MAK	PAY-MAK	PAY	ОТН	PAY-MAK	RSTR	RSTR	STRT	PAY-MAK	STRT	PAY-MAK	PAY-MAK	PAY-REV	PAY-MAK	BIL	PAY-MAK
9	FIRST AGENT FIRST AGENT FIRST TOPIC																																			
ш	FIRST AGENT																																			
Ш	IVR ROUTING DEST	TURNON	PAYMENTX	PAYMENTX	BALANCEBILLING	BALANCEBILLING	BALANCEBILLING	BALANCEBILLING	CUSTOMERSERVICE	CUSTOMERSERVICE	PAYMENTX	TURNON	PAYMENTX	TURNON	BALANCEBILLING	PAYMENTX	CUSTOMERSERVICE	3ALANCEBILLING	TURNON	PAYMENTX	AYMENTX	BALANCEBILLING	AYMENTX	CUSTOMERSERVICE	CUSTOMERSERVICE	APPOINTMENT	CUSTOMERSERVICE	TURNON	CUSTOMERSERVICE	RATES	CUSTOMERSERVICE	PAYMENTX	AYMENTX	PAYMENTX	BALANCEBILLING	CUSTOMERSERVICE
0	IVR INFORMATION	RULES_12_AND_22_READOUT		NE,CO	N CALLING_FROM_SERVICE_LOCATION,CONFIRM	3	3	CALLING_FROM_SERVICE_LOCATION,TELEPHONE))	CATION, CONFIRM_ADDR	_	CATION, CONFIRM_ADDR	J RULES_12_AND22_READOUT	3	CALLING_FROM_SERVICE_LOCATION,CONFIRM_ADDR		CALLING_FROM_SERVICE_LOCATION, TELEPHONE, CO BALANCEBILLING		N CALLING_FROM_SERVICE_LOCATION,TELEPHONE	CALLING_FROM_SERVICE_LOCATION, CONFIRM_ADDR PAYMENTX	NICALLING_FROM_SERVICE_LOCATION, TELEPHONE	P-AGT_XFERFROMCONFIRMA CALLING_FROM_SERVICE_LOCATION, TELEPHONE, CO PAYMENTX					RULES_12_AND_22_READOUT		RULES_12_AND_22_READOUT		CALLING_FROM_SERVICE_LOCATION,CONFIRM_ADDR F	P-AGT_INCORRECTNOCURRE CALLING_FROM_SERVICE_LOCATION,CONFIRM_ADDR PAYMENTX	N CALLING_FROM_SERVICE_LOCATION,TELEPHONE F		
ပ	IVR ROUTING	P-AGT_STARTHOMESERVICE	P-AGT_CSRFROMNEWPAY	P-AGT_NEWPAYMENTARRAN	P-AGT_XFERFROMTELEPHON	P-AGT_CSRFROMBILLING	P-AGT_CSRFROMBILLING	P-AGT_DUPSTATFAILURE	P-AGT_CSRFROMMAIN	P-AGT_CSRFROMMAIN	P-AGT_XFERFROMCONFIRMA	P-AGENT_START_COMM	P-AGT_NEWPAYMENTARRAN	P-AGT_STARTCLEANANDSHO	P-AGT_CSRFROMBILLING	P-AGT_CSRFROMNEWPAY	P-AGT_CSRFROMMAIN	P-AGT_CSRFROMDUPLICATE	P-AGT_STARTGASHOME			P-AGT_XFERFROMTELEPHON	P-AGT_XFERFROMCONFIRMA	P-AGT_CSRFROMMAIN	P-AGT_CSRFROMMAIN	P-AGENT-ID-MAKE-APPOINTM	P-AGT_CSRFROMMAIN	P-AGT_STARTHOMESERVICE	P-AGT_CSRFROMMAIN	P-AGEND-MAIL_ELEC_R	P-AGT_CSRFROMMAIN	P-AGT_REFUSEDNEWPAY M	P-AGT_INCORRECTNOCURRE	P-AGT_XFERFROMTELEPHON	P-AGT_CSRFROMBILLING	P-AGT_CSRFROMMAIN
æ	IVR EXIT	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE
V	FILENAME	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/		/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	/D4M/TRANS/	20 /D4M/TRANS/	21 /D4M/TRANS/	22 I/D4M/TRANS/	23 //D4M/TRANS/	24 /D4M/TRANS/	25 I/D4M/TRANS/	26 /D4M/TRANS/	27 //D4M/TRANS/	28 /ID4M/TRANS/	29 I/D4M/TRANS/	30 /DAM/TRANS/	31 /D4M/TRANS/	32 /DAM/TRANS/	33 /D4M/TRANS/	34 /DAM/TRANS/	35 /D4M/TRANS/	36 ID4M/TRANS/
	<u>_</u>	2		4	2	ဖ	~	80	6	9	=	12	13	4	15	9	12	48	6	2	21	22	23	24	25	56	27	28	53	ဓ္က	3	32	33	34	35	36

FIG. 1

1-4007; Daniel McCarthy et al.
APPARALIS AND METHOD FOR MONITORING APPARTUS AND METHOD FOR METHOD FO ANCE OF AN AUTOMATED RESPONSE

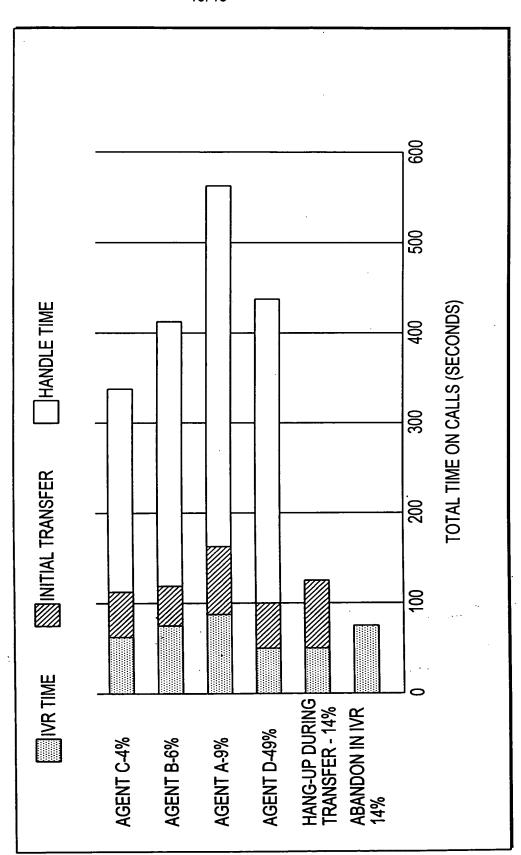


FIG. 18

1-4007; Daniel McCarthy et al.
A RATUS AND METHOD FOR MONITORING
PLOORMANCE OF AN AUTOMATED RESPONSIYEM

Express Mail No. EL029404307US

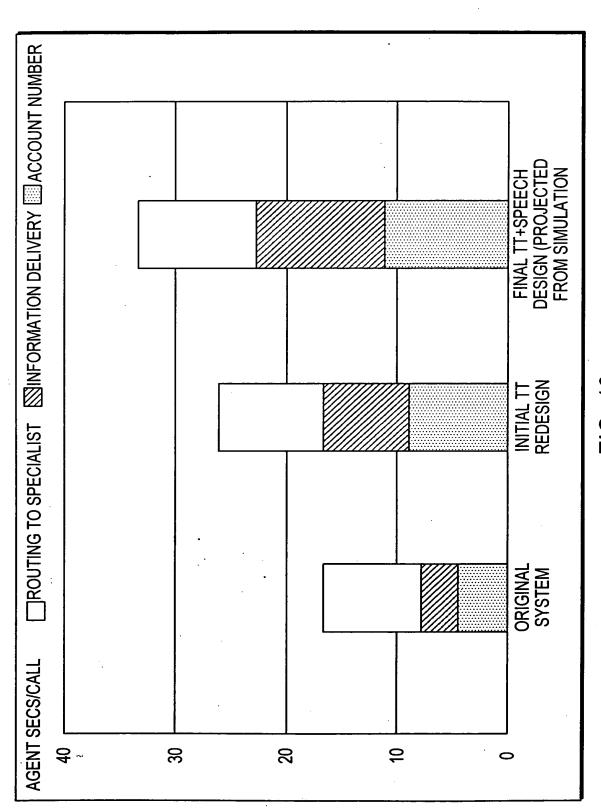
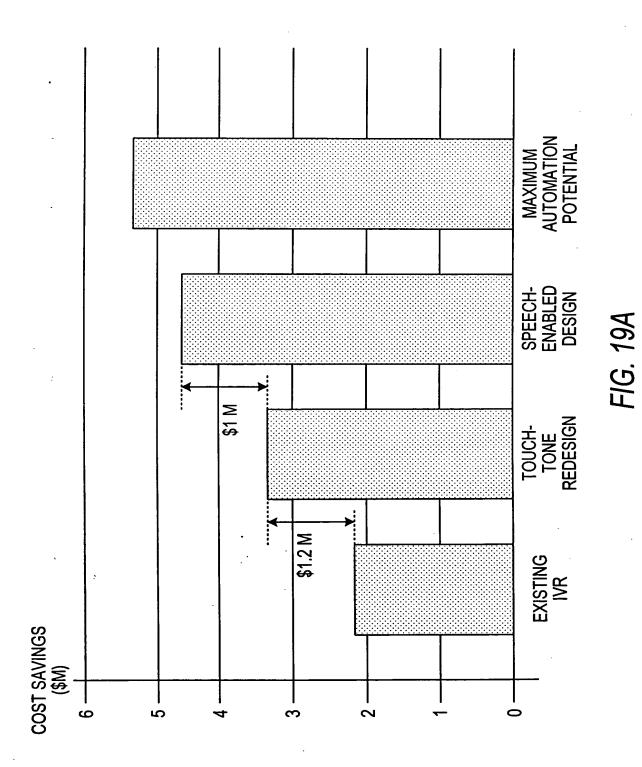


FIG. 19

SYSTEM

Express Mail No. EL029404307US



1-4007; Daniel McCarthy et al.
APPACTUS AND METHOD FOR MONITORING
PERHAMMANCE OF AN AUTOMATED RESPONSE
SYSTEM
Express Mail No. EL029404307US

